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Claims: I claim:

1. A kitchen appliance comprising:
  - a. means for heating liquid in a microwave oven,
  - b. means for reading and displaying the temperature of said liquid,  
whereby said liquid can be heated in said microwave oven to a desired temperature.
2. The appliance of Claim 1 further including means, being removable, for filtering said liquid when filling said appliance with said liquid,  
whereby said liquid will be filtered when filling said appliance.
3. The appliance of Claim 1 further including means to determine how much of said liquid is inside of said appliance,  
whereby the amount of said liquid will be directly readable to the user of said appliance.
4. The appliance of Claim 1 wherein the temperature of the outside of said appliance, and especially the handle of said appliance, is low enough to be safe to the touch, despite the temperature of said liquid inside of said appliance,  
whereby said appliance may be handled while containing hot or boiling liquid.
5. The appliance of Claim 1 wherein the materials of said container would be useable in a refrigerator,  
whereby said appliance may be used in the refrigerator.
6. The appliance of Claim 1 further including a lid, being hinged and removable,  
whereby the steam arising from heating said liquid will be contained in said appliance.
7. The appliance of Claim 1 further including a pour spout,

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whereby water will be directed when pouring from said appliance.

8. A method of heating liquid to a desired temperature comprising the step of:
  - (a) heating said liquid in a kettle, being microwavable.
9. The kettle of claim 8 further containing means to determine the temperature of the liquid inside of said container.
10. The kettle of claim 8 further containing a handle having means to protect the user from the heat of the liquid inside of said container.
11. The kettle of claim 8 further containing means to determine the volume of the liquid inside of said container.
12. The kettle of claim 8 further containing a lid, being hinged and removable, whereby the heat inside of said container is mostly contained by said lid when it is in place.
13. The kettle of claim 8 further containing a means to filter impurities from liquid, being removable,  
whereby using the filter when filling the kettle will provide said liquid, being more pure.
14. The kettle of claim 8 further containing a spout having a closure,  
whereby liquid inside said kettle will flow out of said spout in a defined stream.